



Weather Forecast Office Fort Worth, TX

Bottom Line

(See the specific cloud forecast section for more detailed information regarding the Eclipse)

The forecast for Eclipse Day continues to be mostly cloudy due to a combination of high and low clouds, but partial viewability is still likely in some areas. There is a potential for severe storms late this afternoon (after the eclipse) through Wednesday with all hazards possible.

Overview

- **Thunderstorm Forecast for Eclipse Day (Today):**
 - There's now only a 10% for showers/storms before and around eclipse time, with the highest chances across southern Central Texas.
 - **Severe thunderstorms are still expected to develop AFTER the Eclipse has occurred, likely 4 PM and onward.**
 - The primary threat with the activity this afternoon and evening is large hail, but a threat for damaging winds and tornadoes also exists.
 - The threat for severe weather is expected to continue into the overnight hours, including a potential for nighttime tornadoes.
 - Additional severe storms will move in from the west this evening while storms are ongoing across North & Central Texas. These storms will be particularly favorable for a very large hail threat.
 - A Flood Watch is in effect for portions of East and Central Texas beginning at 7 PM tonight. As the storms transition into more of a linear complex, the primary threat will transition to heavy rain and flooding.
- A relative "lull" in thunderstorm activity will occur in the early morning hours Tuesday, before additional widespread thunderstorms develop and continue into Wednesday. The Flood Watch remains in effect through 7 AM Wednesday.
 - These storms will again contain a threat for large to very large hail, damaging winds, and tornadoes. The flooding threat will be highest during this time.
- Thunderstorm activity will likely linger through much of Wednesday, however the threat for any severe weather is low during this time.
- Most rain is expected to exit the region by Wednesday night.

Areas of Concern and Impacts

Severe Threat Soon After Total Eclipse

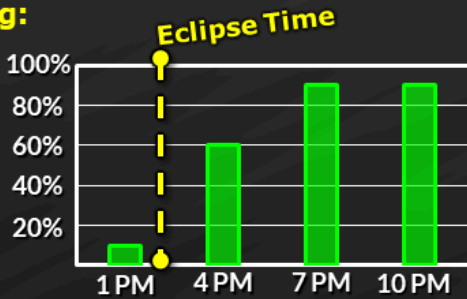
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Issued April 8, 2024 2:47 AM CT



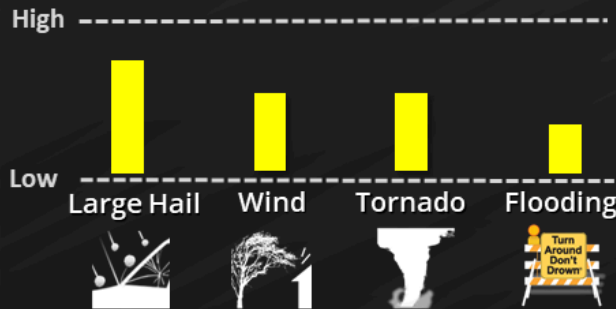
Severe storms with all hazards possible are expected AFTER the eclipse, likely ~4 PM onward.

The time between the eclipse and severe storms may be short (2-3 hrs). Make your safety plan NOW!

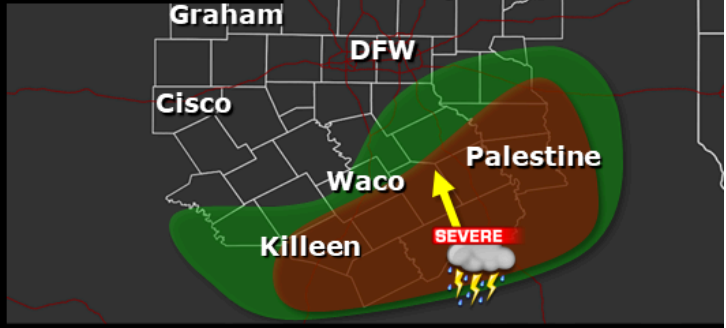
Timing:



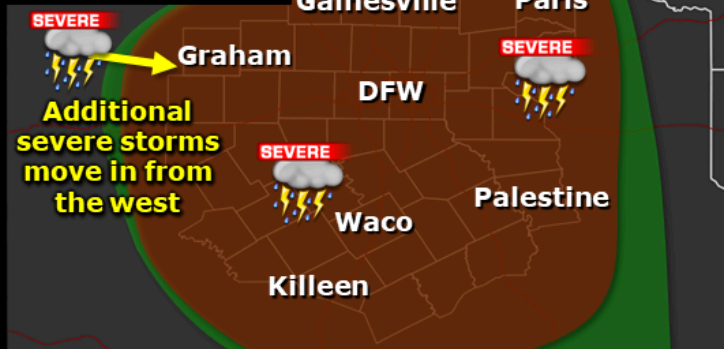
Threats:



Monday Afternoon (AFTER the eclipse, 4 PM and later)



Monday Evening/Night



Heavy Rainfall will increase Flooding Concerns

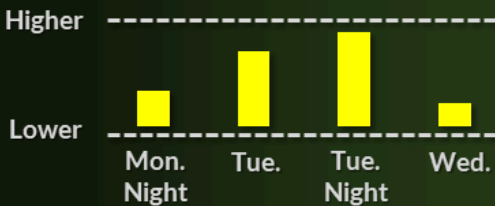
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Multiple rounds of rain may result in flooding Monday night through Wednesday morning.

A Flood Watch is in effect for the highlighted areas from 7 PM Mon thru 7 AM Wed.

Timing for heavy rain & flood potential:

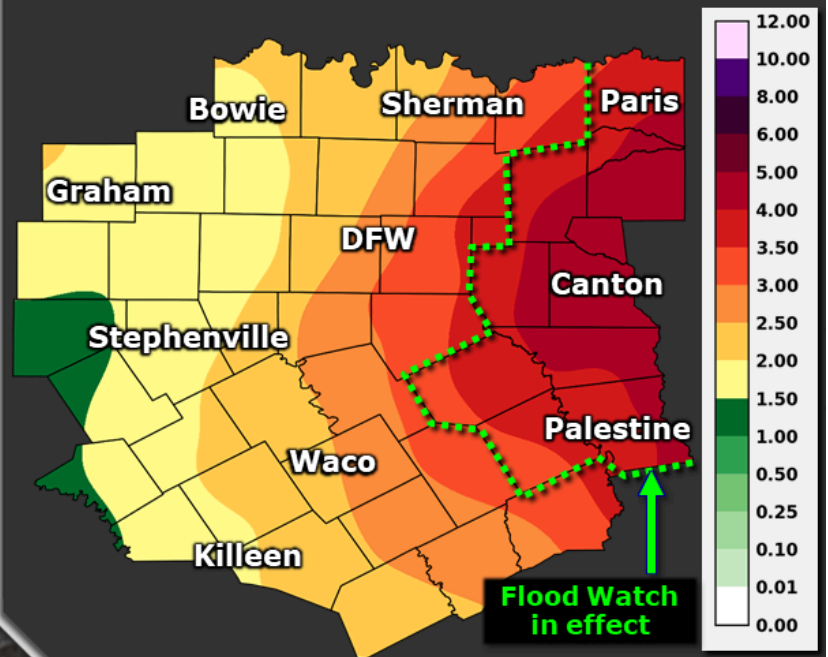


Allow extra time for travel and don't drive through flooded roads!

You don't know how deep the water is and it could be washed out entirely, especially at night.

Forecast Average Rainfall Amounts


Localized areas east of I-35 (~10% coverage) will likely receive amounts higher than 5 inches.



Severe Weather Potential Tuesday




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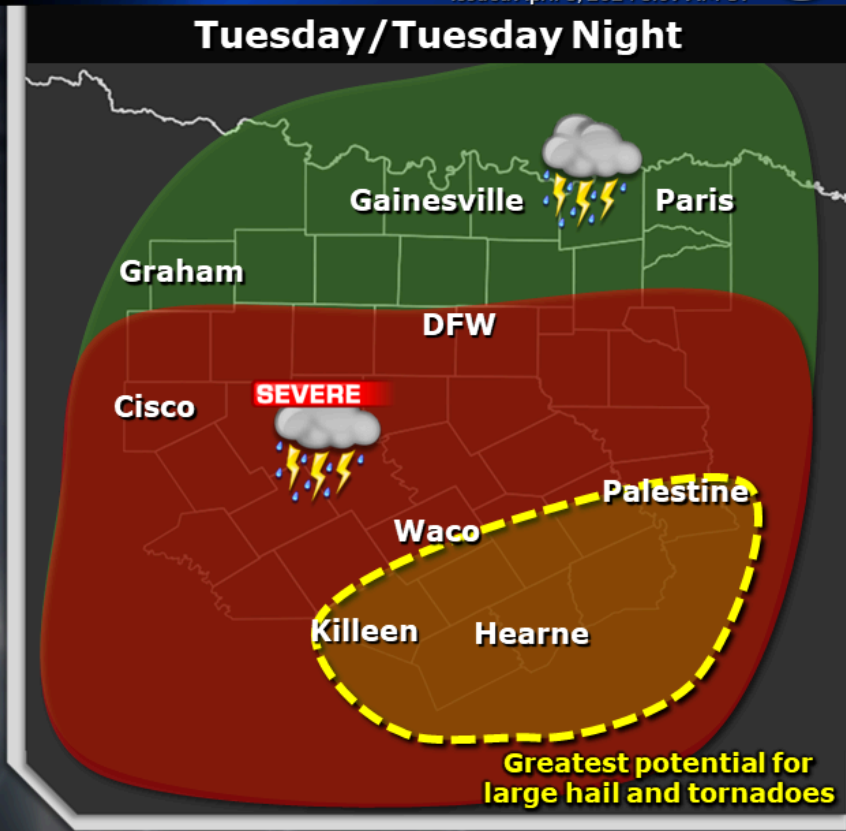
 **Strong to severe storms** are possible much of the day Tuesday.
The highest severe threat is near/south of I-20. All hazards are possible on Tuesday.

Threats:

High -----
Low -----

 Large Hail	 Wind	 Tornado
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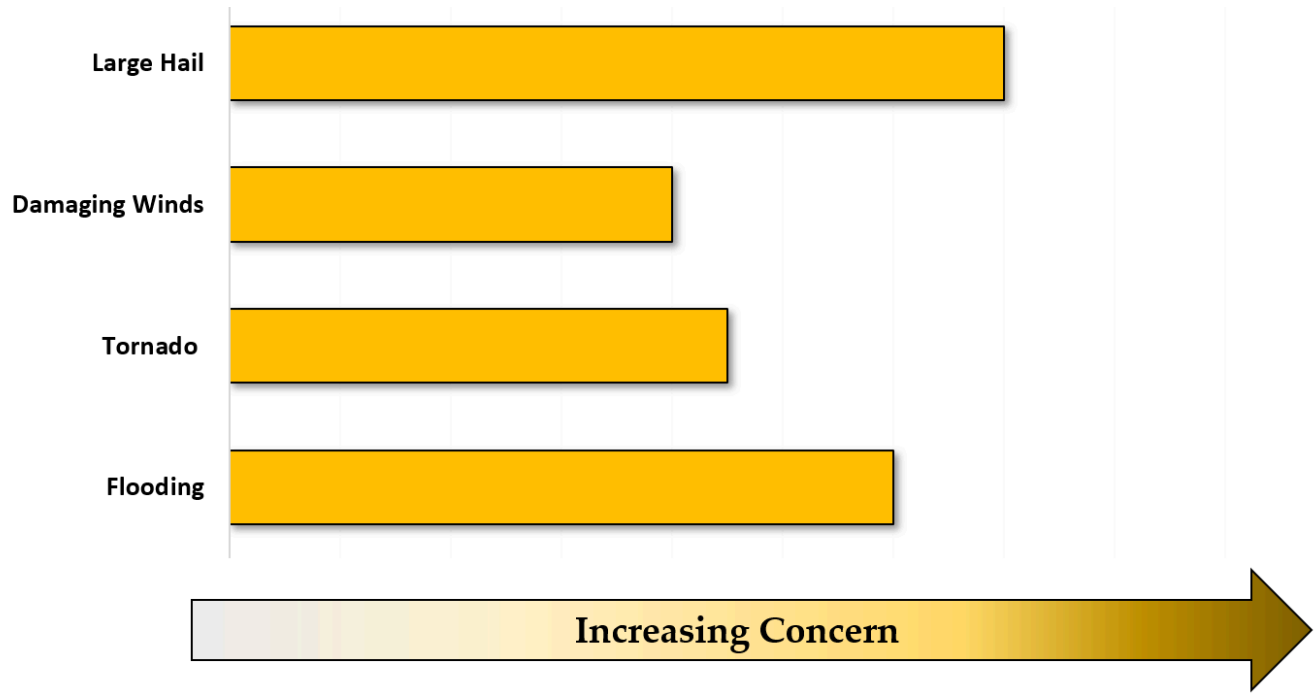
 Have multiple ways to receive weather alerts!



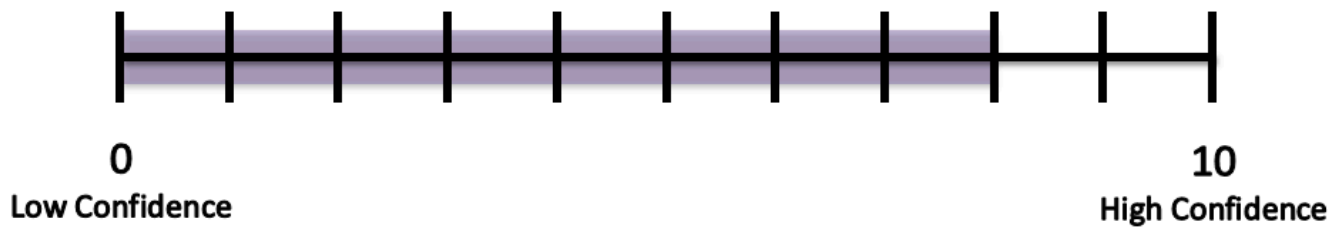
 NWSFortWorth

weather.gov/fortworth

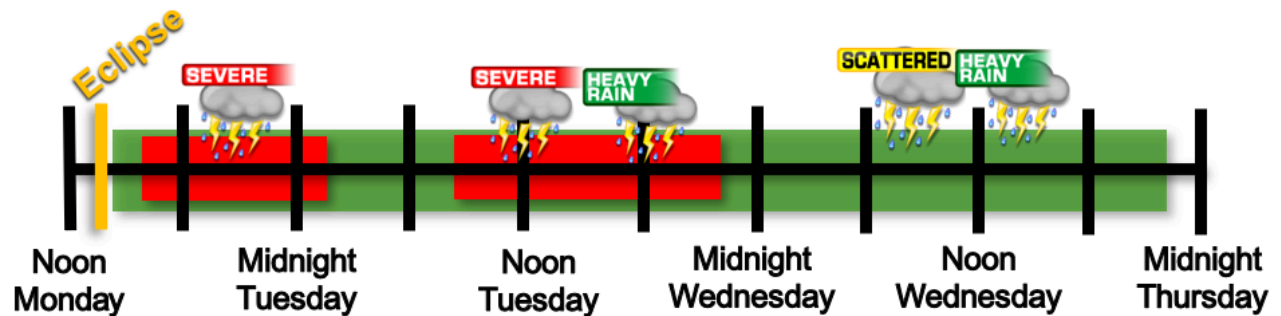
Threats/Hazardous Weather Types



Forecaster Confidence



General Timing



Forecast Overview for April 8th

- **Cloud Forecast for Eclipse Day (Today):** Partly to Mostly Cloudy (40-80% cloud cover)
 - What's Changed: Confidence is increasing that some low cloud cover will begin to scatter and dissipate by eclipse time, but some less fortunate areas in Central Texas may be subject to lingering low clouds and limited visibility.
 - Low cloud cover will probably be fairly widespread especially along and south of I-20 between 9 AM and noon, but improvement is fairly likely heading into the early afternoon.
 - Any lingering low cloud cover will substantially reduce visibility, and this would be most likely in portions of Central Texas.
 - Coverage of low clouds in North Texas is expected to be fairly scattered by eclipse time, offering decent visibility.
 - There is high confidence that some high clouds will be in place over most of the region.
 - A veil of high cloud cover will still allow for decent visibility of most eclipse features as long as they do not become too dense.

Eclipse Cloud Cover: A Forecast Breakdown

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Fort Worth, TX
Issued April 8, 2024 3:11 AM CT



Forecast Update

- Sky conditions (particularly low clouds) will likely be their worst around 9 to 11 am.
 - Some scattering and dissipation of low clouds is expected between 11 am and eclipse time.
 - The best viewing conditions are most likely to be north of I-20.
 - Some unluckier areas will still have dense low clouds with low eclipse viewability.
- Thinner high clouds are expected, which will allow for many features to still be viewable.
 - The most dense high clouds are more likely to remain outside of the area.

Reminder



Don't forget your ISO 12312-2 compliant eclipse glasses!

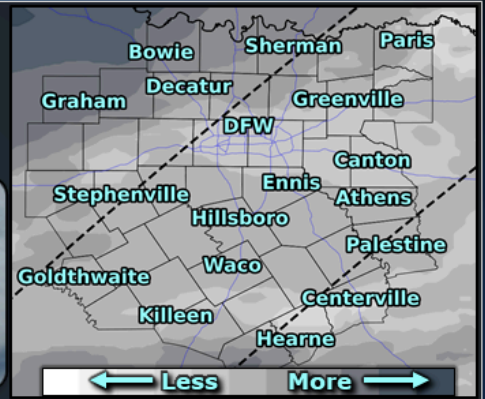


Know Before You Go: Check [weather.gov](https://www.weather.gov) for the latest forecast and ensure you have a way to receive weather alerts!

NWSFortWorth

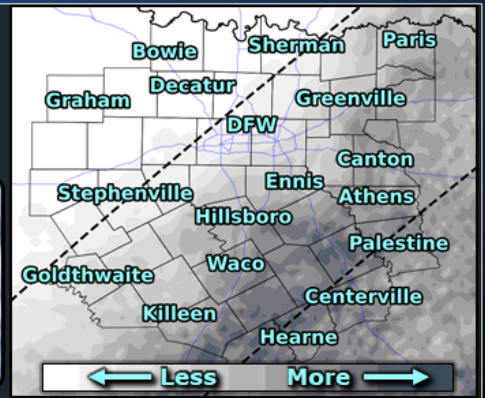
High Level Cloud Forecast

What this could look like:



Low Level Cloud Forecast

What this could look like:



[weather.gov/fwd/eclipse2024](https://www.weather.gov/fwd/eclipse2024)

What We Are Certain Of

- Multiple rounds of severe weather are expected during the first half of the week, including threats for large hail, damaging winds, tornadoes, and flash flooding.
- The primary window for severe weather today will be AFTER the Eclipse has occurred.
- High clouds are expected over most of the region today but are expected to remain thin.
- Low clouds are expected across portions of Central Texas today and will be expanding into North Texas just prior to or during eclipse time.

What We Are Less Certain Of

- How far north the dense low clouds will spread prior to Eclipse time today.
- How much scattering/breaks we will see in the cloud cover by the time of the Eclipse.
- Where the axis of heaviest rain amounts will be. The Flood Watch may need to be expanded both spatially and temporally as we get closer.
- Coverage and timing of rounds of storms Tuesday through Wednesday.

When will the next email be sent?

By 10 am Tuesday, April 9th.

Additional Resources

NWS Fort Worth Eclipse Website: <https://www.weather.gov/fwd/eclipse2024>

Hourly Forecasts (Click on your location): <https://www.weather.gov/forecastpoints>

NWS Fort Worth Hazard Pages: <https://www.weather.gov/erh/ghwo?wfo=fwd>

National Weather & Hazards Data Viewer: <https://www.wrh.noaa.gov/map/?obs=true>